		TRM V2.8	Last updated by Technology Infrastructure Team:		10/15/2009	(THIS IS A "WORK IN PROGRESS" D	(PLEASE NOTE: A WEB LINK WILL BE IN PLACE REPLACING THIS SPREADSHEET SOON)						
SERVICE AREA	**SERVICE CATEGORY**	**SERVICE STANDARD**	**FUNCTIONAL SPECIFICATION**	**Relevant International/Government Standard**	**Usage classifaction**	**Name**	**Vendor**	**Version**	**FAA ATO Current state or "AS IS"**	**FAA ATO To-be architecture [Tactical 1 yr projected]**	**FAA ATO To-be architecture [Strategic - 3 yr projected]**	**License Type: Bulk/CAP (BC) BPA (B) IDIQ (I) ELA (E)**	**Contract / Org Scope: ATO FAA DOT**	**Contract POC:**	**Additional comments**
Service Access & Delivery	Access Channel	Web Browser	Web Browser	W3C HTML 4.01 (relates to ISO/IEC 15445:2000)	Preferred	Internet explorer	Microsoft	6.0 SP2	Internet Explorer 6.0 SP2	Internet explorer 6.0 SP2 recommended as standard browser until evaluation & deployment planning of IE 8.0 is completed. IE 8.0 is recommended if authorized after testing.	IE 8.0 is recommended. If the MS comes up with newer version, then proper evaluation is recommended before adoption				need to keep up with the latest ver to take advantage of application capabilities
			Web Browser		Limited	Firefox	Mozilla	3.x.x.x	not supported (2.0.x.x)	3.0.0.x. Limited usage recommended	3.5.x.x or u2d with strictly limited to developers with appropriate CR/Waiver process is recommended				Many developers use Firefox for use in debugging application UI's. So it is recommended that it is limited strictly to developer coomunity after going through an appropriate CR/Waiber process
			Web Browser		Rejected	Opera	Opera software	x.x	Not supported	Not supported	Not supported				TSG [Glendale group, MD under Dan pelman] Input
			Web Browser		Limited	Safari	Apple	2.0.x.x	MacIntosh Safari 2.0	Safari 3.0.x (Containment is recommended)	Safari 4.0.x or u2d (Containment is recommended)				TSG - Input Browser is currently supported by the Ecommerce Application. Strictly limited to application development and testing for special requirements. Transition to IE is recommended in near future
		Wireless/PDA	Smartphone	HTTP	Preferred	Blackberry	Research in Motion		Blackberry PDA (Both EasySynch and mNotes are being used to sync PDA w/ Lotus Notes)	Recommended as standard PDA	Recommended as standard PDA				Per draft ATO TRM for NAS Support. Need to loosen BB restrictions. Allow IM and lessen password complexity due to keyboard limitations
		Collaboration/ Communication	Electronic Mail (Email)	Electronic Mail SMTP, Lightweight Directory Access Protocol (LDAP) - IETF, FIPS 200, NIST Special Publication 800-53	Preferred	Notes	IBM	6.5.1	Lotus Notes 6.5.1	Lotus Notes 6.5.1 is recommended as standard tools for e-mail. Evaluation & deployment of Client verison 8.x.x is recommended	Lotus Notes 8.x is recommended as a standard				the NexGen program has a milestone for upgrading all Domino servers to Domino 8 by April 2008. The client upgrade timeline has not yet been defined but would follow shortly after the server upgrade.
			File transfer		Limited	WS_FTPPro	IPSwitch	12	FTP and fileshare. NexGen (Notes) provides a large filel transfer utility	WS_FTPPro 12.x	WS_FTPPro 12.x				
			Video conferencing	H.323, H.239	Preferred	Any	Tandberg		Tandberg solution-- T150, 880, 990, 2000MXP, 6000 MXP, and Edge 95 devices// infrastructure includes the Tandberg Management Server (conference scheduling, SNMP traps, upgrade management, reporting), The MPS 200 Bridge with ISDN capabilities (circuits ins	Continuation of Tendberg solution-- Contract w/ vendor with 07/08 with one yr extension to 09/10. "ATO video program" should be evaluated for a long term robust solution. An effort is under way by the FAA CIO's office to consolidate the ATO Video Conferen	Tendberg solution				Need for vendor tools to be able to interoperate. Existing ATO investment in Polycomm and ATO investment in Tandberg
			VOIP/audio conferencing		Preferred	Any	Polycom		Polycom. Many local solutions in the field, most provide service only w/in a facility. FOB 10 B (Wilbur) is perhaps one of more mature installs.	Polycomm	Polycomm				
			Collaboration		Obsolete	Netmeeting	Microsoft	3	NetMeeting use is fairly extensive, but we are moving twd SameTime and Remedy CCM, especially for remote connect & control of desktop.	Sametime 7.5 is recommended	Sametime 7.5 is recommended				
			Web 2.0		Limited	Confluence	Atlassian	3	confluence 3.0	confluence	Under evaluation				Limited to TSG IPDS development group

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			Help desk support		Preferred	Remedy	BMC	7	Remedy 7.0	Remedy 7.0 is recommended as standard tools for help desk. Evaluation & deployment 7.5 is recommended	Under evaluation				Limited useage/Containment is recommended. Potential Phase out is under evaluation
			Knowledge management		Preferred	Sharepoint	Microsoft	2003	Sharepoint 2003	Sharepoint 2003	Evaluate Sharepoint 14/2010				
			Remote desktop		Rejected	VNC			Not supported	Not supported	Not supported				Possible alternative is Dameware
					Limited	Dameware	Dameware	5.5.0.2	Dameware 5.5.0.2	Under evaluation	Under evaluation				
			Telnet with CLI		Rejected	Putty	MIT	0.6	Putty multiple versions	Under evaluation	Under evaluation				MMAC/TSG Input
			Instant messaging	Instant Messaging [Service Sub-Specification]	Preferred	Sametime	IBM	7.5	Lotus Sametime Connect 7.5	7.5.x is recommended	Lotus sametime connect 7.5.x or higher is recommended				
		Other Electronic Channels	Terminal emulation	Terminal Communications [Service Sub-Specification]	Limited	Bluezone emulation	Bluezone	3.12	NS Elite plus 3.12, BlueZone 3270 Emulator	SS compliant software. Ex: BlueZone	SS compliant software. Ex: BlueZone				DOT has a license for 350 concurrent users of Blue Zone (intended for FPPS usage)
	Delivery channels	Thin Client	Thin client		Preferred	Citrix	Citrix	1.6 update 13	Citrix Metaframe, Presentation server Web Client for Win32	Evaluation of Citrix Presentation server 4.5	Citrix Presentation Server 4.5 is recommended				standardize Metaframe, centralize mgmt & licensing
		Peer to Peer (P2P)	File sharing		Rejected	Any P2P sw	Any vendor	Any version	Not supported	Not supported	Not supported				block illegal P2P via securities at IAP.
		Remote Access/ Virtual Private Network (VPN)	VPN		Preferred	VPN	Cisco	4.8	Cisco Systems VPN Client 4.8 & FTI/FRAC	Upgrade to Cisco VPN 5.0 is recommended by Sep 08. Evaluation of site-to-site VPN in locations where FTI is not available is recommended by Sep 08	Cisco Systems VPN Client 5.0 or higher & FTI/FRAC				propose the approval of site-to-site VPN in locations where FTI is no available. See CR-07-043. Remote access products should meet these requirements: > Must allow for 2 factor authentication or otherwise be compliant with OMB Memo M-06-16 dated June 23, 2006 > Must support LDAP Integration; > Must minimize security vulnerabilities (some VPN products have known vulnerabilities); > Must support encrypted communications including the ability to upload and download sensitive data. > Support access to both NAS and NAS Support networks when the originator is in a private domain and where policy allows it. > Long run need for the FAA remote access and VPN solutions to be compatible with FAA and/or DOT logical access and authentication solution (currently being formulated in an early stage program for DOT and FAA); Includes HSPD-12 requirements > At least one standard solution must be operational internationally from foreign countries - including those where FAA has offices (includes parts of Europe and China). > Each standard solution must have mu network (not just through one IAP). > Requirement for at least one remot resilient in times of a disaster or pano

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			Document management	**FIPS 140-2, Compatible with IETF's Lightweight Directory Access Protocol (LDAP), FIPS 200, NIST SP 800-53**	Evaluation	Documentum	EMC	6.5	Under evaluation	Under evaluation	Under evaluation				TSG [Glendale group, MD under Dan pelman] Input
	Service Requirements	**Legislative/ Compliance**	Section 508		Preferred				Freedom Scientific JAWS for Windows 4.51	JAWS for windows 8.0 or higher as standard. Evaluation of Jaws for windows 10.0 or higher is recommended	Jaws for windows 10.0 or higher is recommended				TSG Input -- Used to test Ecommerce for 508 Compliance.
			Web Content Accessibility		Preferred				Freedom Scientific JAWS for Windows 4.	JAWS for windows 8.0 or higher as standard. Evaluation of Jaws for windows 10.0 or higher is recommended	Jaws for windows 10.0 or higher is recommended				TSG Input
		Authentication/ Single Sign-On	PIV card	**FIPS 200 and 201, HSDP-12, NIST SP 800-53**	Preferred										
			Password Reset/Sync		Limited	Psynch	M-Tech	6.4	Psynch 6.3	Psynch 6.4	Under evaluation				
			Active directory		Preferred	Active directory	Microsoft	5.2/2003 server	Active directory 5.2/2003 server	Active directory 5.2/2003 server	Active directory 2008 server evaluation				all services should auhenticate by faa.gov
			Portal SSO		Preferred	Oracle Portal SSO	Oracle	10g R3	10g R3	Oracle 10g R3 is recommended as standard. Evaluation of Oracle 11g is recommended	Under evaluation				
			Internet directory		Preferred	Oracle Internet directory	Oracle	10.1.4.1	Oracle 10.1.4.1	Oracle 10.1.4.1	Oracle 10.1.4.1				Oracle Internet Directory
			Authentication services		Preferred	Java Authtentication and authorization services	Oracle	10.1.4.1	Oracle 10.1.4.1	Oracle 10.1.4.1	Oracle 10.1.4.1				The Java Authentication and Authorization Service (JAAS). It is a standard only
			Access Manager		Preferred	Oracle Access manager	Oracle	10.1.4.1	Oracle 10.1.4.1	Oracle 10.1.4.1	Oracle 10.1.4.1				Oracle COREid Access and Identity, Identity Server and Access Server
			web services manager		Preferred	Oracle web services maanger	Oracle	10.1.3.1	Oracle 10.1.3.1	Oracle 10.1.3.1	Oracle 10.1.3.1				Oracle Web Services Manager - Security for SOAP and XML based services
		Hosting	Internal (within agency)												
			External (ISP/ASP)												
Service Transport	**Supporting Network Services**		IMAP/POP3		Rejected				Not supported	Not recommended	Not recommended				
			SMTP		Preferred				SMTP	SMTP	SMTP				
			H.323		Preferred				H.323	H.323	H.323				
			SNMP		Preferred				SNMP	SNMP	SNMP				
			LDAP		Preferred				LDAP	LDAP	LDAP				
			X.500												
			DHCP		Preferred				DHCP	DHCP	DHCP				
			BGP		Preferred				BGP	BGP	BGP				
			DNS		Preferred				DNS	DNS	DNS				
			X.400												
		Service Transport	TCP		Preferred				TCP	TCP	TCP				
			IP		Preferred				IP V4	IP V4. IP V6 capability is mandated by Jun 08	IP V4/IP V6				

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			HTTP		Preferred				HTTP	HTTP	HTTP				
			HTTPS		Preferred				HTTPS	HTTPS	HTTPS				
			FTP		Preferred				FTP	FTP	FTP				
			IPSEC		Preferred				IPSEC	IPSEC	IPSEC				
	Supporting platform	Platform Independent	J2EE		Preferred	Java	IBM	5	Java EE 1.4	Java EE 5 is recommended by Se	Under evalustion				
			JDK		Preferred	Java	IBM	5	JDK 1.5	JDK 1.5	Under evalustion				
			Linux		Preferred	Linux	Red hat	5	Evaluation of Linux 5.0 platform is recommended	Evaluation of Linux 5.0 platform is recommended	Evaluation of Linux 5.0 platform is recommended				TSG Input
		Platform Dependent	Windows		Preferred	Windows	Microsoft	XP Pro SP2	Windows XP Pro SP 2	Windows XP Pro SP 2. When XP SP 3 is released, evaluation is recommended. Vista implementation planning for 2009 is recommended	Evaluation of Windows 7 and potential deployment is recommended				
					Obsolete	Windows	Microsoft	NT	Windows NT	Retirement of all Windows NT is recommended by Apr 08. Not supported by the vendor	Not recommended/supported				
					Obsolete	Windows	Microsoft	95	Windows 95	Retirement of all Windows 95 is recommended by Apr 08. Not supported by the vendor	Not recommended/supported				
					Obsolete	Windows	Microsoft	98	Windows 98	Retirement of all Windows 98 is recommended by Apr 08. Not supported by the vendor	Not recommended/supported				
					Obsolete	Windows	Microsoft	ME	Windows ME	Retirement of all Windows ME is recommended by Apr 08. Not supported by the vendor	Not recommended/supported				
					Obsolete	Windows	Microsoft	2000	Windows 2000	Retirement of all Windows 2000 is recommended by Apr 08. Not supported by the vendor	Not recommended/supported				
			Windows. Net		Preferred	Windows	Microsoft	ASP.net V3.5	Windows ASP.NET V3.0	ASP.NET V 3.5	Under evaluation				TSG Input - Ecommerce production system and ongoing development done in ASP.NET
			Unix		Preferred	Solaris	IBM	10	Unix Solaris 9, 2.5	Unix Solaris 10	Under evaluation				TSG [Theresa Payne's group] input
			Mac OS X		Limited	Leopard	Apple	10.5	Mac OS 10.5 Leopard	Mac OS 10.5.x Leopard	Under evaluation				TSG Input --Used to test Ecommerce accessibility.
	Delivery Services	Web Servers	Webservers (Java)		Preferred	Tomcat	Apache	6	Apache Tomcat	Apache Tomcat V6.0 (Spring supported build)	Apache Tomcat V 6.0 or higher (Spring supported build)				TSG Input. E&CM inlcludes this as an alternative for IIS.Apache is the preferred web server for light weightapplication
			Internet Information Server		Preferred	IIS	Microsoft	5,6	Internet Information Server 5 & 6	Internet Information Services V7.0	Under evalustion				TSG Input
		Media Servers	Media Services		Preferred	Windows Media player	Microsoft	10	Windows Media Player V 8, 9, 10	Windows Media Player V 9, 10	Windows Media Player V10 or higher				
			Media services		Preferred	Flash Player	Adobe	10	Adobe Macromedia Flashplayer 9	Adobe Macromedia Flashplayer 10	Adobe Macromedia Flashplayer 10				Flash Player offers a better view of FAA Focus; Flash Player is also planned for additional FAA internal and external communications and training materials. Updated version numbers on Windows Media Player
		Application Servers	Ingress DB Environment		Legacy				Ingress DB Environment	Needs to be reviewed.	Needs to be reviewed.				TSG Input
			Application servers		Preferred	Oracle application server	Oracle	10.1.3	Oracle application server 10.1.3	Evaluation is recommended Oracle application server 10.1.3.3.0-10.1.3.4.0	Under evaluation				
			Appservers (Java)		Preferred	OC4J	Oracle	10.1.3	OC4J	OC4J 10.1.3	OC4J 10.1.3 or higher				as heavy duty web server
			Appservers (Java)		Limited	Websphere	IBM	6.1	Web Sphere V6.0	Web Sphere V6.1	Evaluation is recommended for Web Sphere V7 or higher				TSG Input
			Appserver(Coldfusion)		Preferred	Coldfusion	Adobe	8	ColdFusion 5, 6.1, 7, and 8	Coldfusion V8.0	Coldfusion V8.0				TSG [Theresa Payne's group] input
		Load Balancer	Load balancer		Preferred	Big-IP	F5	9	Big-IP (F5)	F5 V9	Under evaluation				
		Portal Servers	Portal servers		Preferred	Citrix	Citrix	TBD	Citrix	Citrix	Under evaluation				

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		Integrated Development Environment	IDE		Preferred	Eclipse IDE for J2EE	IBM	3.4	Eclipse 3.3	Eclipse 3.4.x	Under evaluation				MMAC/TSG Input -- OPEN SOURCE
			IDE		Preferred	IntelliJ IDEA	JetBrains	8	IntelliJIDEA 6.0	IntelliJIDEA 8.1.x	Under evaluation				MMAC Input - Josh Moore
			IDE		Preferred	Jdeveloper	Oracle	10.1.3.x	JDeveloper 10.1.3.3	JDeveloper 10.1.3.3	Under evaluation				MMAC/TSG Input
			IDE		Limited	Vision	Unify	8.5	Vision V1.1	Vision V8.5	Under evaluation				TSG [Glendale group, MD under Dan pelman] Input
			Development framework		Preferred	Spring	Springsource	2.5.6	Spring 2	Spring 3.0	Under evaluation				MMAC/TSG Input
			XML IDE		Preferred	XML spy	Altova	2009	XML Spy	Altova XML Spy 2009 or similar	Under evaluation				MMAC/TSG Input
			IDE (.net)		Preferred	Visual Studio	Microsoft	6	Visual Studio 6	Visual studio 2008	Under evaluation				TSG [Glendale group, MD under Dan pelman] Input
			Web desing suite		Limited	Dreamweaver	Adobe	CS4	Dreamweaver V8.0	Dreamweaver CS4	Under evaluation				TSG [Theresa Payne's group] input
			Web desing suite		Limited	Homesite	Adobe	5.5	Homesite 5.x	Homesite V5.5					TSG [Theresa Payne's group] input
			Web desing suite		Limited	Topstyle	newsgator	4	Topstyle (CSS) V3.0	Topstyle V.4.0					TSG [Theresa Payne's group] input
			DELPHI		Legacy	Delphi	Oracle	2009	DELPHI v 2009	Need input for the feasibility of transition to a standard supportable environment	Under evaluaiton				TSG Input
			Ultra EDIT		Preferred	Ulltra EDIT	IDM computer solution	15	Ultra Edit 15	Ultra Edit 15	Under evaluaiton				TSG Input
			Oracle SQL-Plus		Limited	SQL-Plus	Oracle	10g	SQL-Plus	SQL-Plus 10g	Under evaluaiton				MMAC/TSG Input
			Oracle SQL developer		Limited	SQL developer	Oracle	1.5.5	Oracle SQL Developer	Toad V 9.1 or higher is recommended	Under evaluaiton				MMAC/TSG Input
			Jedit (Java & XML editor)		Preferred	Jedit	Open source	4.2	Jedit	Jedit 4.3 or higher	Under evaluaiton				MMAC/TSG Input -- OPEN SOURCE
			File Comparison		Preferred	Beyond compare	Scooter	3	Exam Diff	Beyond Compare V1.6e	Beyond Comapre.Further evaluation is needed for V1.8				MMAC/TSG Input -- Danny Waggenar bought some lic. Further investigation is necessary to identify more robust/enterprise tool like Altova diff dog
			Scripting language		Limited	Groovy	IBM	1.6.4	Groovy	Groovy 1.5.4 and 1.6.x is the main and stable branch	Under evaluation				MMAC/TSG Input -- OPEN SOURCE
			DB queries/admin		Preferred	Toad for Oracle	Quest	9.6.1	TOAD 8.0.6.38	Toad V 9.1 or higher is recommended	Under evaluation				TSG Input
			DB queries/admin		Preferred	Toad for SQL Server	Quest	9.7	TBD	Toad for SQL Server v 9.7	Under evaluation				
		Software Configuration Management	Version management		Limited	CVS	Open source	1.1	CVS 1.1	Evaluation of IBM rational clearcase 7.1	Under evaluation				MMAC/TSG Input/ Open source
					Limited	CYGWIN	Open source		CYGWIN (scripting shell for CVS)	Evaluation of IBM rational clearcase 7.1	Under evaluation				MMAC/TSG Input/ Open source
					Rejected	Tortoise	Open source	1.6.4	Tortoise SVN 1.8.22	Evaluation of IBM rational clearcase 7.1	Under evaluation				MMAC/TSG Input
					Rejected	Tortoise	Open source		Tortoise (GUI for CVS)	Evaluation of IBM rational clearcase 7.1	Under evaluation				MMAC/TSG Input
			Software Configuration Management		Preferred	ClearCase	IBM	7	IBM Telelogic Synergy 7.0	Rational ClearCase 7.0 is recomr	Under evaluation				
			Defect tracking		Preferred	ClearQuest	IBM	7	Rational ClearQuest/Bugzilla	Rational ClearQuest 7.0 is recom	Under evaluation				MMAC/TSG Input
			Task management		Preferred	Portfolio manager	IBM	7.1.1.2	Rational Portfolio manager 7.0 and 7.1.1.	Rational Portfolio manager 7.0 or	Under evaluation				
			Change management		Preferred	Clearcase	IBM	7	Rational ClearCase 7.0	Rational ClearCase 7.0	Under evaluation				TSG Input
			Deployment management		Limited	Ant	Apache	1.7.1	Ant 1.7	Ant 2.0	Under evaluation				No support. Freeware
			Requirements managemnt & Traceability		Preferred	RequisitePro	IBM	7	Rational RequisitePro 7.0	Rational RequisitePro 7.0	Underevaluation				

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		Application protoyping	Prototyping/Wireframe/ Mock up		Evaluation	Requirements composer	IBM	2	None	Axure RP Pro 5	Rational Requirements Composer (Potential -- Still in research, Plese see comments section)				Axure RP Pro 5 has been approved as of 2/19/2009 for a evaluation to meet some immediate needs for the requirements/business analyst team (MMAC/Ernie Billingsley is POC). EC&M group is actively researching an enterprise application prototyping/wireframing solutions that integrates with our existing development environment. EC&M has identified Rational Requirements Composer (RRC) as a potential match but it requires further in depth evaluation which is in progress. If RRC evaluation is not done by the time Axure RP Pro 5 trial version expires, then EC&M is recommending to buy 4 lic. for Axure RP Pro 5 as a stopgap measure.
		Test Management/Testing	Functional testing		Limited	Junit	Open source	4.7	Junit	Evaluation is recommended for Ju	Junit 4.0 is recommended as standard tool for functional testing				
			Usability testing (508 testing)		Limited	ACCmonitor	Hisoftware	6	HI Software ACC Monitor	Transition to HI Software's Compliance Sheriff 3.2	Compliance Sheriff 3.2 is recommended as standard				TSG [Theresa Payne's group] input
			Performance profiling		Limited	Jprobe	Quest	7	Jprobe 7.0	Jprobe 7.0.x or higher	Under evaluation				Support available. Not a freeware. ATO acquired it.
					Limited	Performance tester	IBM	7	Rational performance Tester 7.0	Rational performance tester 7.0.x	Evaluation Rational performance tester 8.0				
			Web services Load/Stress/Volume testing		Limited	LISA	ItKO	4.6.2	LISA	LISA 4.6.2	Under evaluation				MMAC/Support available
		Modeling	UML		Preferred	Software Modeler	IBM	7.0.0.2	IBM Rational Software Modeler V7.0.0.2	IBM Rational Software Modeler V	Evaluation of ibm rational software modeler 7.5.1 recommended				
			Use Case Modeling		Preferred	Software Modeler	IBM	7.0.0.2	IBM Rational Software Modeler V7.0.0.2	IBM Rational Software Modeler V	Evaluation of ibm rational software modeler 7.5.1 recommended				IBM Software Delivery Platform v7
			Integrated modeling -- UML/BPM/Data modeling		Limited	System Architect	IBM	11.x	IBM System Architect,	Under evaluation	Under evaluation				ATO NAS Next Gen Data Comm group (one of the POC is Rachel Cobler at MMAC) is using Enterprise architect as their integrated modeling tool. ECM recommended this a limited usage for their immediate deliverables need and approved limited licenses purchase. ECM recommended transition to System architect and not to purchase anymore Enterprise Architect lic for future needs
			Integrated modeling -- UML/BPM/Data modeling		Limited	Enterprise architect	Sparx system	7.1	Enterprise architect v 7.1	Under evaluation	Under evaluation				
			UML editor		Limited	Star	Open source	x.x	STAR UML Editor	Under evaluation	Under evaluation				MMAC/TSG Input
			Data Modeling		Preferred	Erwin	CA	7.2	Erwin	Erwin r7.2	Underevaluation				
			Business graphics		Rejected	Smartdraw	Smartdraw.com	x.x	Smartdraw	Visio is recommended as alterna	Visio				TSG [Theresa Payne's group] input
Database/ Storage	Database		Database	SQL Standard	Limited	DB2	IBM	8.x	DB2	Evaluation of DB2 v9.5 is recomn	Transition to Oracle or SQL server DB is recommended				FAA wide
			Database		Preferred	Oracle	Oracle	10g	Oracle 10g	Oracle 10g. Evaluation of 11g is recommended	Under evaluation				ATO
					Obsolete	Oracle	Oracle	7	Oracle7	Retirement of Oracle 7 is recommended by Sep 08. Not supported by the vendor. Replacement with Oracle 10g or higher is recommended					FAA wide

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					Obsolete	Oracle	Oracle	8i	Oracle8i	Retirement of Oracle 8i is recommended by Sep 08. Not supported by the vendor. Replacement with Oracle 10g or higher is recommended					FAA wide
					Obsolete	Oracle	Oracle	9i	Oracle9i	Limite/contain. Retirementent is recommended by Dec 08					FAA wide
			Database		Preferred	SQL Server	Microsoft	2005	MS SQL Server 2005 ; w/ the signing of the Microsoft ELA, we have unltd access to SQL	Transition to MS SQL Server 200	Not supported				ATO
					Obsolete	SQL Server	Microsoft	2000	MS SQL Server 2000	Retirement is recommended by S	Not supported				TSG [Theresa Payne's group] input/FAA wide
					Evaluation	SQL Server	Microsoft	2008	None	Under evaluation	MS SQL Server 2008				FAA wide
			Database		Obsolete	MySQL	Open source	x.x		Retirement is recommended by A	Not supported				FAA wide
			Database		Obsolete	Falcon	Open source	x.x		Retirement is recommended by A	Not supported				FAA wide
			Database		Obsolete	FoxPro	Microsoft	x.x		Retirement is recommended by A	Not supported				FAA wide
			Database		Rejected	Borland	Borland	x.x		Retirement is recommended by A	Not supported				FAA wide
			Database		Rejected	Filemaker	Filemaker Inc.	x.x		Retirement is recommended by A	Not supported				FAA wide
			Database		Limited	Informix	IBM	2.5		Transiton to Oracle 10g is recommended by Sep 08					FAA wide
			FireBird		Rejected	FireBird	Open source	x.x		Retirement is recommended by A	Not supported				FAA wide
			Database		Rejected	Access 2003	Microsoft	2003	Access 2003	Transition to Oracle or MS SQL server is recommended. A workgroup is being established to better assess and recommend the transition plan from Access	Oracle 11g is recommended				reject with caution. Some apps are not meant to be national systems
			Database		Limited	Sybase	Sybase	12.5	Sybase 12.5, Sybase Central, SQL Advantage, Sybooks, ISQL, Sybase 15.0 .net DB driver	Replace with Oracle is recommended	Oracle 11g is recommended				TSG [Glendale, MD group under Dan Pelman] Input
		DB Monitoring	DB monitoring		Preferred	Oracle enterprise manager	Oracle	10g	Oracle Enterprise manager	Oracle Enterprise manager 10g	Oracle Enterprise manager 11g				TSG [Theresa Payne's group] input
			SQL Server management studio		Preferred	SQL Server management studion	Microsoft	2005	SQl server management studio	sql server management studio 20	sql server management studio 2008				TSG [Theresa Payne's group] input
		Storage	NAS		Limited	x.x	x.x	x.x	Netapp						
			SAN	Storage Area Networks (SAN)/Arrays (SAN Arrays)	Preferred	x.x	x.x	x.x	Sun						On Saves contract
					Limited	x.x	x.x	x.x	EMC						On Saves contract
					Limited	x.x	x.x	x.x	DELL						On Saves contract
					Limited	x.x	x.x	x.x	Netapp						On Saves contract
					Limited	x.x	x.x	x.x	IBM						
					Limited	x.x	x.x	x.x	Compaq						
					Limited	x.x	x.x	x.x	HP						
					Preferred	x.x	x.x	x.x	Hitachi						
	Hardware/ Infrastructure	Servers/ Computers	Enterprise Server	Computer [refer to Service Sub-Specifications (by LOB)]	Rejected	x.x	x.x	x.x	Windows NT server	Retirement of all Windon NT Server is recommended by Apr 08. Not supported by vendor	Not supported				FAA wide
					Limited	x.x	x.x	x.x	Windows 2000 server	Retirement of all Windows 2000 Server is recommended by June 08. Not supported by vendor	Not supported				FAA wide
					Preferred	x.x	x.x	x.x	Windows 2003 server	Windows 2003 server[See server	Windows 2003 server[See server tab]				ATO
					Preferred	x.x	x.x	x.x	Windows 2008 server	Windows 2008 server[See server	Windows 2008 server[See server tab]				
					Rejected	x.x	x.x	x.x	Novell	Retirement of all Novell Server is recommended by Apr 08. Not supported by vendor	Not supported				FAA wide
					Preferred	x.x	x.x	x.x	Unix/Solaris	Unix/Solaris version 10 or higher	Unix/Solaris version 10 or higher[See server tab]				ATO
						x.x	x.x	x.x	Mainframe partition						FAA wide
					Obsolete	x.x	x.x	x.x	OS/2	Retirement of all OS/2 is recommended by Apr 08.	Not supported				FAA wide
						x.x	x.x	x.x	DELL 2450						Input from CAEG TRM
						x.x	x.x	x.x	DELL 2850						Input from CAEG TRM

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						x.x	x.x	x.x	DELL 2650						Input from CAEG TRM
						x.x	x.x	x.x	DELL 1650						Input from CAEG TRM
						x.x	x.x	x.x	DELL 4600	Model currenlty not in SAVES.					Input from CAEG TRM
						x.x	x.x	x.x	DELL 4400						Input from CAEG TRM
						x.x	x.x	x.x	HP DL380						Input from CAEG TRM
					Preferred	x.x	x.x	x.x	Linux	Linux 2.6 [See server tab], Red Hat Enterprise					ATO
				Server Virtualization - CIS Virtual Machine Security Guidelines Version 1.0 – September 2007 and DISA Virtual Computing Security Technical Implementation Guide Version 1 Release 0.1	Preferred	Vmware	Vmware	3.5	VMwAre	Evaluation VMwAre Infrastructure 3 ESX Server 3.5 or higher	VMwAre Infrastructure 3 ESX Server 3.5 or higher				ATO--VMWare offers more mature and robust capabilities than its competitors including central management capabilities. It also leads significantly in market share for server virtualization. Finally, it is the product currrently in use in FAA organizati
			Disaster recovery/Backup		Preferred	Veritas	Symantec	12	Veritas/Symantec Backup Exec 12	Veritas/Symantec Backup Exec 1	Veritas/Symantec Backup Exec v12.5				
		Embedded Technology Devices	Microprocessor - Desktop	Microprocessor - Desktop	Preferred	x.x	x.x	x.x	Intel Pentium based desktop systems that are capable of running the FAA current standard for desktop operating system (XP - see support platforms above), Office 2003 (Desktop suite above), and Lotus Notes email/calendaring system.	Intel Dual core -- 2.0 GHZ or higher	Intel Dual core -- 2.5 GHZ or higher				latest Dell on BPA selections
			Microprocessor - Laptop	Microprocessor - Laptop	Preferred	x.x	x.x	x.x	Intel Pentium based desktop systems that are capable of running the FAA current standard for laptop operating system (XP - see support platforms above), Office 2003 (Desktop suite above), and Lotus Notes email/calendaring system. Dell Latitude Laptops	Intel Dual core -- 2 GHZ or higher- Moblie	Intel Dual core -- 2 GHZ or higher- Moblie				latest Dell on BPA selections. This laptop standard does not apply to ultra portables, meaning devices weighing 4 pounds or less, less than 1 inch thick, and having a display less than 14 inches diagonally. There is no current FAA standard for tablet PCs. Thus far, AVS has procured a tablet type PC from Fujitsu via competitive procurement; The Dell BPA offers a Dell tablet (model XT) currently.
			RAM	RAM [refer to Service Sub-Specifications (by LOB)]	Preferred	x.x	x.x	x.x	512 MB or higher	1GB or higher	4 GB				More than 4 GB cannot be used in a 32 bit architecture. Selected 4 GB instead of 3 GB due to dual channel architecture (two 2 GB chipsets) and low cost difference between 3 and 4 GB.
			Hard Disk Drive	Hard Disk Drive [refer to Service Sub-Specifications (by LOB)]	Preferred	x.x	x.x	x.x	40 GB or higher	80 GB or higher	120 GB or more but based on user profile, past history, and LAN infrastructure.				depends on need. Don't just buy as a standard.On average, 80 GB suffices most user needs.
Service Platform & Infrastrucutre		Peripherals	Optical Disk drive	Optical Disk/Storage [refer to Service Sub-Specifications (by LOB)]	Preferred	x.x	x.x	x.x	Combination CD-RW/DVD-R (read only) allowing for the option for a DVD-RW	DVD RW	DVD RW				Encryptable gigabte thumb drive is a user option; Laptops may have more of a need for a DVD-RW than desktop configurations.//
			Netowork card	Network Card [refer to Service Sub-Specifications (by LOB)]	Preferred	x.x	x.x	x.x	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps				need infrastructure in place in many locations to allow for 100 or 1000.
			Monitor	Monitor [refer to Service Sub-Specifications (by LOB)]	Preferred	x.x	x.x	x.x	19" LCD [compliant with Section 508 criteria]	19" LCD	19" LCD				Section 508 criteria are in 36 CFR 1194 and provide requirements to hardware manufacturers and software suppliers
			Keyboard	Keyboard [refer to Service Sub-Specifications (by LOB)]	Preferred	x.x	x.x	x.x	[compliant with Section 508 criteria]	[compliant with Section 508 criteria]	[compliant with Section 508 criteria]				

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			Video card	Video Card [refer to Service Sub-Specifications (by LOB)]	Preferred	x.x	x.x	x.x	[industry standard, as supplied]	[industry standard, as supplied]	[industry standard, as supplied]				Some users will require a video card with additional memory if they need to run multiple, complex applications simultaneously.
			Mouse	Mouse [refer to Service Sub-Specifications (by LOB)]	Preferred	x.x	x.x	x.x	2-button optical scroll wheel mouse	2-button optical scroll wheel mouse	2-button optical scroll wheel mouse				
			Sound card	Sound Card [refer to Service Sub-Specifications (by LOB)]	Preferred	x.x	x.x	x.x	[industry standard, as supplied]	[industry standard, as supplied]	[industry standard, as supplied]				
			Printer	Printer [refer to Service Sub-Specifications (by LOB)]		x.x	x.x	x.x	OCE - TDS 400	OCE - TDS 400	OCE - TDS 400				Input from CAEG TRM
						x.x	x.x	x.x	OCE - TDS 700	OCE - TDS 700	OCE - TDS 700				Input from CAEG TRM
						x.x	x.x	x.x	OCE - TDS 600	OCE - TDS 600	OCE - TDS 600				Input from CAEG TRM
						x.x	x.x	x.x	OCE - TDS 500	OCE - TDS 500	OCE - TDS 500				Input from CAEG TRM
						x.x	x.x	x.x	Xerox 510	Xerox 510	Xerox 510				Input from CAEG TRM
						x.x	x.x	x.x	Xerox 8825	Xerox 8825	Xerox 8825				Input from CAEG TRM
						x.x	x.x	x.x	Xerox 721	Xerox 721	Xerox 721				Input from CAEG TRM
						x.x	x.x	x.x	KIP 2000	KIP 2000	KIP 2000				Input from CAEG TRM
						x.x	x.x	x.x	KIP 5000	KIP 5000	KIP 5000				Input from CAEG TRM
						x.x	x.x	x.x	KIP 6000	KIP 6000	KIP 6000				Input from CAEG TRM
						x.x	x.x	x.x	HP 500C	HP 500C	HP 500C				Input from CAEG TRM
						x.x	x.x	x.x	HP 1055C	HP 1055C	HP 1055C				Input from CAEG TRM
						x.x	x.x	x.x	HP 1055CM	HP 1055CM	HP 1055CM				Input from CAEG TRM
			from CAEG TRM			x.x	x.x	x.x	HP 800ps	HP 800ps	HP 800ps				Input from CAEG TRM
			Ports		Preferred	x.x	x.x	x.x	2 USB 2.0	2 USB 2.0	2 USB 2.0				
					Limited	x.x	x.x	x.x	FireWire						MMAC in process of acquiring HW that supports this type
			Scanner	Scanner [refer to Service Sub-Specifications (by LOB)]		x.x	x.x	x.x	[industry standard, as supplied]	[industry standard, as supplied]	[industry standard, as supplied]				
	WAN	Frame Relay				x.x	x.x	x.x							for locations without available services, some areas have not choice but to use Satellite-based or DSL/Cablemodem
		ATM				x.x	x.x	x.x							
		T1				x.x	x.x	x.x	T1	T1	T1				
		DS3				x.x	x.x	x.x	DS3	DS3	DS3				
		OC-3				x.x	x.x	x.x							
		OC-12				x.x	x.x	x.x							
		OC-48				x.x	x.x	x.x							
		MPLS				x.x	x.x	x.x			TLS				
		TLS				x.x	x.x	x.x	TLS	TLS					
		PPP				x.x	x.x	x.x							
	LAN	Ethernet				x.x	x.x	x.x	Fast ethernet	Fast ethernet					
		VLAN				x.x	x.x	x.x	802.1q	802.1g	802.1g				
		Wireless LAN				x.x	x.x	x.x	802.11g	802.11g	802.11n				
		Gigabit Ethernet				x.x	x.x	x.x	Gigabit Ethernet	Gigabit Ethernet v6.64.0.0.zip	Evaluation and recommemded v6.64.0.0.zip				
	Network Devices/ Standards	Hub				x.x	x.x	x.x	Netgear						no hub
		Switches			Preferred	x.x	x.x	x.x	Cisco	Cisco					See network device tab
		Routers			Preferred	x.x	x.x	x.x	Cisco	Cisco					See network device tab
		Firewall			Preferred	x.x	x.x	x.x	Check Point/ Nokia	Check Point vR65 and vR70	Evaluation and recommemded vR65 and vR70 for March 2011 and March 2013 respecfully				need to consider IPS instead of IDS. And standardize firewall and centralize it via CSIRC
		Network access/Threat detection			Preferred	x.x	x.x	x.x	CounterAct (by ForeScout)	CounterAct (by ForeScout) v6.3	Evaluation and recommemded v6.3 or higher				
		Gateways				x.x	x.x	x.x	Cisco	Cisco					

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			ISDN			x.x	x.x	x.x							
		Video Conferencing	Bridge			x.x	x.x	x.x	Tandberg - MPS 200 Bridge with IP/ISDN capabilities	Tandberg - MPS 200 Bridge with IP/ISDN capabilities	Evaluation and recommemded Tendberg Suite v12				
			CODEC			x.x	x.x	x.x							
			Receiver			x.x	x.x	x.x	Tendberg solution and Polycom VTC	Tendberg solution v12	Evaluation and recommemded Tendberg Suite v12				
		Desktop suite	Word processing/Spreadsheet/Powerpoint		Preferred	Office 2003	Microsoft	11	MS Office 2003	MS Office 2003 V11.0.xxx SP3	Evaluation and recommemded MS Office SP3 11.0.xxxx				ATO --need to get a national standard and enforce it by paying for the latest licenses
					Limited	Office 2000	Microsoft	9	MS Office 2000	Contain. Retirement is recommended by Sep 08					FAA wide
					Rejected	Office 97	Microsoft	8	MS Office97	Retirement is recommended by Apr. 08					FAA wide
					Evaluation	Office 2007	Microsoft	12	MS Office 2007 [Beta]	MS Office 2007 [Beta]	Evaluation and recommemded MS Project SP3				FAA wide
					Limited	Office XP	Microsoft	10	MS Office XP	Contain. Retirement is recommended by Sep 08					FAA wide
	Business Management Application	Project management	Timeline/Milestones/Resources		Preferred	Project 2003	Microsoft	11	MS Project 2003	MS Project 2003 SP3	Evaluation and recommemded MS Project SP3				Two versions available - Standard version or Pro version; Can be client-only software or server-based shared software (for teams).// 2003 will get obsolete soon
					Limited	Project 2000	Microsoft	9	MS Project 2000	Contain. Retirement is recommended by Sep 08					FAA wide
					Obsolete	Project 98	Microsoft		MS Project 98	Retirement is recommended by Apr. 08					FAA wide
					Limited	Project XP	Microsoft	10	MS Project XP	Contain. Retirement is recommended by Sep 08					FAA wide
					Evaluation	Project 2007	Microsoft	12	MS Project 2007	MS Project 2007	Evaluation and recommemded MS Project SP3				FAA wide
		Portfolio mgmt	Portfolio mgmt		Preferred	Rationale Portfolio Manager	IBM	7.1.x	Winzip 9.0 or higher (for file compression only)	Winzip, Transition to SecureZip from PKWARE Inc is recommended.(Encryption Products Validated by NIST for FIPS 140-2 encryption requirements)	SecureZip by PKWARE				AHR and AGC are using PKWARE. Winzip's module is not validated for FIPS 140-2 compliance as of January 2009; Relates to ATO CR 08-25
					Limited	Worklenz	Metier	x.x	Primavera	v5.0	Evaluation and recommemded v6.0 or higher				TSG [Theresa Payne's group] input
					Preferred	Primavera	Oracle	6							
		File compression & Data encryption		FIPS 140-2	Preferred	Winzip	Winzip	12	Winzip 9.0 or higher (for file compression only)	Winzip, Transition to SecureZip from PKWARE Inc is recommended.(Encryption Products Validated by NIST for FIPS 140-2 encryption requirements)	SecureZip by PKWARE				AHR and AGC are using PKWARE. Winzip's module is not validated for FIPS 140-2 compliance as of January 2009; Relates to ATO CR 08-25
		Business/Technical drawing/Graphics	Visio		Preferred	Visio 2003 Pro	Microsoft	11	Visio 2003 Professional, IBM System Architect Visio Process Integrator	Visio 2003 Professional SP3	Visio 2003 Professional SP3				standardization for ease of sharing.
			Visio		Limited	Visio 2002	Microsoft	10	Visio 2002	Contain/Upgrade it to Visio 2003 by Sep 08	Transitioned to vision 2007 SP3				FAA wide
			Visio		Evaluation	Visio 2007	Microsoft	12	Visio 2007	Visio 2007 SP3	Vision 2007 SP3				FAA wide
			Xara		Rejected	Extreme	XARA	any							TSG [Theresa Payne's group] input
			PhotoImpact		Limited	PhotoImpact	ULEAD	X3							TSG [Theresa Payne's group] input
			Publisher		Limited	Publisher	Microsoft	2003							TSG [Theresa Payne's group] input
			Flash		Limited	Flash	Adobe	CS4							TSG [Theresa Payne's group] input
			Fireworks		Limited	Fireworks	Adobe	CS4							TSG [Theresa Payne's group] input
			Adobe Illustrator		Limited	Illustrator	Adobe	CS4	Illustrator	V10.0	Evaluation and recommemded V12.0 or higher				TSG [Theresa Payne's group] input

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			Photoshop		Limited	Photoshop	Adobe	CS4	Photoshop	Photoshop CS4 or higher	Evaluation and recommemded CS4 and CS4 Extended or higher respecfully				TSG [Theresa Payne's group] input. ATO communications gorup has a graphics need & requested a guidance for pictures/graphics editing software. ECM-Tech.Infra. Team is recommending Adobe photoshop as near term standard to meet the immdeiate needs. But it requires more detailed analysis for us to recommend and get approval fromTCB for to make it as a standard for strategic to-be architecture
		PDF	PDF		Preferred	Acrobat	Adobe	9	Adobe Acrobat 8.0 Pro	Adobe Acrobat 8.0 Pro or higher	Adobe Acrobat 8.0 Pro or higher				
		PDF995 suite	PDF995 suite		Limited	PDF995	PDF995		Software 995	Adobe Acrobat 8.0 or higher is recommended	Adobe Acrobat 9.2 or higher				TSG [Glendale group, MD under Dan pelman] Input
		Server Monitoring	What's up Gold/ related enterprise product		Limited	WhatsUp Gold	IPSwitch	12.4	What's Up Gold Professional 2006	Contain/Evaluation of enterprise v11.0 worthy pckg is recommended by Sep 08	Under evaluation				
		Asset Discovery/Managem ent	CCM/Remeady		Preferred	CCM	BMC	7.1.2	CCM 7.1.2	CCM 7.1.2	CCM 7.1.2				
		Mapping	Google Earth		Preferred	Google Earth Pro	Google	4.3	Google Earth	Google Earth Pro v3.2	Evaluation and recommemded Google Earth Pro v5 or higher				Technical assessment completed FY 09
			Google Sketch up (3D drawing)		Preferred	Sketchup	Google	6	Google Sketh up pro	Google Sketh up pro	Evaluation and recommemded Google Sketh up Pro 7 or higher				Technical assessment completed FY 09
			Coral Draw		Limited	Draw	Corel	X4	Corel draw	Corel draw x4	Transition Plan and implementation for std mapping/drawing pkg is recommended				
			SoftWright TAP		Limited	TAP	SoftWright	6	SoftWright TAP Mapping module 6.0/Terrain data/Land use files	SoftWright TAP Mapping module 6.0/Terrain data/Land use files	Under evaluation				Waiver- Special request from Ops group
			ESRI ArcGIS -ArcView		Preferred	ARCGIS-ArcView	ESRI	9.3.1	ArcView	ArcView 9.3.1	ArcView 9.x or higher				Applicable technology standard for all GIS application
			ESRI ArcGIS -ArcEditor		Preferred	ARCGIS-ArcEditor	ESRI	9.3.1	ArcEditor	ArcEditor 9.3.1	ArcEditor 9.x or higher				
			ESRI ArcGIS -ArcInfo		Preferred	ARCGIS-ArcInfo	ESRI	9.3.1	ArcInfo	ArcInfo 9.3.1	ArcInfo 9.x or higher				
			ESRI ArcGIS - ArcEngine		Preferred	ARCGIS-ArcEngine	ESRI	9.3.1	ArcEngine	ArcEngine 9.3.1	ArcEngine 9.x or higher				
			ESRI ArcGIS - ArcReader		Preferred	ARCGIS-ArcReader	ESRI	9.3.1	ArcReader	ArcReader 9.3.1	ArcReader 9.3.1				
			ESRI ArcGIS -PLTS		Preferred	ARCGIS-PLTS	ESRI	9.3.1	PLTS	PLTS	PLTS				
			ESRI ArcGIS -3D analyst		Preferred	ARCGIS-3D Analys	ESRI	9.3.1	3D analyst	Under evaluation	Under evaluation				
			ESRI ArcGIS -Spatial analyst		Preferred	RCGIS-Spatial Anal	ESRI	9.3.1	Spatial analyst	Under evaluation	Under evaluation				
			ESRI ArcGIS -Map objects		Preferred	RCGIS-Map Objec	ESRI	9.3.1	Map Objects	Under evaluation	Under evaluation				
			Microstaion		Limited	Microstation	Bentley Systems	8.x.x	Microstation	Microstation	Evaluation and recommended v8i or higher respecfully				Microstation is a CAD package that has many mapping functions. NACO's Microstation use is planned to be mostly replaced by ESRI in the future but currently NACO is involved in upgrading their Microstation to the latest version and may still plan to leverage this
		Portfolio mgmt	Portfolio manager		Preferred	onale Portfolio Man	IBM	7.x.x	Rational portfolio manager	Rational portfolio manager v7.1	Evaluation and recommended v7.x or higher respecfully				
		Enterprise Architecture Repository	System Architect		Preferred	System Architect	IBM	11.3	None	System Architect V11.3.x	Enterprise standard is recommended System Architect V11.x or higher				

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		Forms package	Adobe		Obsolete	FormFlow	Adobe	2.x	Form flow	Will phase out. Not supported by the vendor. Adobe 8.0 Pro or higher is recommeded as a replacement					TSG [Fran Hubbard] Input
		Enterprise Learning	Enterprise Learning Management System (ELMS)		Limited	Authorware	Macromedia	4.x.x	Authorware	Authorware/Adobe Captivate 4.0 or higher	Evaluation and recommended v7.x or higher				ELMS team is activley assessing tool for the ELMS as Authorware is phasing out and vendor support will discontinue. Extensive requirements gathering and Vendor product demos had been completed. Adobe Captivate is recommended for limited useage as a stopgap measure along with continuation of Authorware until a vindor is selected by the ELMS team. ELMS POC is Greta Ballard.
		Business/financial mgmt	Financial mgmt		Limited	Flexx	Databyte	6.6	Flexx by Databyte	v6.6	Evaluation and recommended v6.6 or higher				TSG [Glendale group, MD under Dan pelman] Input
		Financial mgmt	Portfolio/project mgmt		Preferred	Primavera	Primavera	5	Primavera	v5.0	Evaluation and recommemded v6.0 or higher				
	Security	Certificates/ Digital Signatures	Digital certificate authentication		Limited	x.x	x.x	x.x	JAR Signature and Digital Certificates (MD5)	JAR Signature and Digital Certificates (MD5)	JAR Signature and Digital Certificates (MD5)				TSG Input
			FIPS 186			x.x	x.x	x.x							
			SSL			x.x	x.x	x.x	Verisign Commercial Certificate	Verisign Commercial Certificate	Verisign Commercial Certificate				TSG Input
		Supporting Security Services	S/MIME			x.x	x.x	x.x							
			Anti-Virus		Preferred	Antivirus	McAfee	8.x.x	McAfee 8.0i	McAfee 8.0i or higher	McAfee 8.7 or higher				Desktop Antivirus software standard; Transitioning away from CA e-Trust; Existing uses of e-Trust are grandfathered//consider putting McAfee for ALL devices whether it is CBI, contractor-owned, or FAA's. Having 2 antivirus standards is not good
Component Framework					Limited	E-Trust	Computer Associates	7.x.x	CA e-Trust	Contain. Retirement is recommended by Apr 08	Not supported				FAA wide
					Limited	Norton Antivirus	Symantec	10.x.x	Symantec Norton Antivirus Enterprise edition	Contain/Transition to McAfee as standard antivirus is recommended by Sep 08	See McAfee 8.7 or higher				FAA wide
					Rejected	Office Scan	Trend Micro	7	Trend Micro	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Grisoft	AVG Anti-Virus System	7.5	AVG	Retirement is recommended by A	Not supported				FAA wide
					Rejected	PC Pitstop	PCPitShop	1.5	PCPitShop	Retirement is recommended by A	Not supported				FAA wide
					Rejected	OneCare	Microsoft	1.x.x	MS OneCare	Retirement is recommended by A	Not supported				FAA wide
					Rejected	F-Secure	F-Secure	x.x.x	F-Secure	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Bitdefender	Antivirus	x.x.x	Bitdefender	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Avast	ALWIL	1.x.x	avast!	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Kaspersky	Antivirus	x.x.x	Kaspersky	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Antivirus	Command	x.x.x	Command	Retirement is recommended by A	Not supported				FAA wide
					Rejected	OPSWAT	F5	x.x.x	OPSWAT	Retirement is recommended by A	Not supported				FAA wide
					Rejected	WIN Antivirus Pro	WINAntiVirus	x.x.x	WinAntivirus	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Clam Antivirus	Clam Antivirus	x.x.x	Clam	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Antivirus	AirScanner	x.x.x	Air Scanner	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Sophos	Sophos	x.x.x	Sophos	Retirement is recommended by A	Not supported				FAA wide
			Anti-Spy		Preferred	Anti-Spy	McAfee	8.x.x	McAfee Anti-Spy	McAfee 8.0i or higher	McAfee 8.7 or higher				FAA wide
					Rejected	Spy-Bot	Spy-Bot	x.x.x	Spy-Bot Search and destroy	Retirement is recommended by A	Not supported				FAA wide
					Rejected	AntiSpyware	Sunbelt Software	x.x.x	Sunbelt anti-spy	Retirement is recommended by A	Not supported				FAA wide
					Rejected	AntiSpyware	Microsoft	x.x.x	Microsoft Anti-Spyware	Retirement is recommended by A	Not supported				FAA wide
					Rejected	AntiSpyware	Computer Associates	x.x.x	CA	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Anti-Spy	Yahoo	x.x.x	Yahoo Anti-Spy	Retirement is recommended by A	Not supported				FAA wide

SERVICE AREA	SERVICE CATEGORY	SERVICE STANDARD	FUNCTIONAL SPECIFICATION	Relevant International/Government Standard	Usage classifaction	Name	Vendor	Version	FAA ATO Current state or "AS IS"	FAA ATO To-be architecture [Tactical 1 yr projected]	FAA ATO To-be architecture [Strategic - 3 yr projected]	License Type: Bulk/CAP (BC) BPA (B) IDIQ (I) ELA (E)	Contract / Org Scope: ATO FAA DOT	Contract POC:	Additional comments
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					Rejected	Spyware Blaster	Javacool	x.x.x	Javacool Spyware blaster	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Spyscan	Norton	x.x.x	Norton Spyscan	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Spyware Doctor	Spyware Doctor	x.x.x	Spyware Doctor	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Webroot Antivirus	Webroot Antivirus	x.x.x	Webroot	Retirement is recommended by A	Not supported				FAA wide
					Rejected	AOL Antispyware	AOL	x.x.x	AOL	Retirement is recommended by A	Not supported				FAA wide
					Rejected	Paretologic Antispyware	retologic Antispywa	x.x.x	Paretologic	Retirement is recommended by A	Not supported				FAA wide
					Rejected	AVG AntiSpyware	AVG AntiSpyware	x.x.x	AVG	Retirement is recommended by A	Not supported				FAA wide
			Laptop encryption		Preferred	Safeboot	Safeboot	5.1	Safeboot	Safeboot 5.1	Safeboot 5.1				DOT-wide reliance on Safeboot//Safeboot is good, except it doesn't work on tablets and is not AD-integrated
	Presentation/ Interface	Static Display	HTML		Preferred	x.x	x.x	x.x	Version 4.0	Version 4.0 or higher	Version 4.0 or higher				
			PDF		Preferred	x.x	x.x	x.x	Adobe PDF Version 8.0	Adobe PDF Version 9/10.0	Adobe PDF Version 9/10.0				
		Dynamic/ Server-side Display	JSP		Preferred	x.x	x.x	x.x	Version 2.0 / J2EE 1.4 spec	Version 2.0 / J2EE 1.4 spec or hi	Version 2.1 or higher / J2EE 1.5 spec or higher				
			Servlet		Preferred	x.x	x.x	x.x	Version 2.4 / J2EE 1.4 spec	Version 2.4 / J2EE 1.4 spec or hi	Version 2.5 / J2EE 1.5 spec or higher				
			JSF		Preferred	x.x	x.x	x.x	Version 1.2	Version 1.2 or higher	Version 2.0 or higher				Java Server Faces (Oracle WebCenter)
		Content Rendering	DHTML		Preferred	x.x	x.x	x.x							
			XHTML		Preferred	x.x	x.x	x.x	XHTML	XHTML 1.1 or higher	XHTML 2.0				TSG Input
			CSS		Preferred	x.x	x.x	x.x	CSS 2.0	CSS2	CSS3				TSG Input
		Database interface	SQL Plus		Limited	SQL Plus	Oracle	10.1	SQL Plus	SQL Plus 10.1 or higher. Oracle advanced SQL product or similar interface like TOAD is also recommended	SQL Plus 10.1 or higher. Oracle advanced SQL product or similar interface like TOAD is also recommended				TSG [Theresa Payne's group] input
		Wireless/ Mobile/ Voice	WML												
			VXML												
	Business Logic	Platform Independent	Java		Preferred	Java	Oracle	5	JDK 1.5	JDK 1.5 or higher	JDK 1.5 or higher				
			ColdFusion		Limited	Coldfusion	Adobe	CS4	Coldfuison 5,6.1,7 & 8	Coldfusion CS4	Under evaluation				TSG [Theresa Payne's group] input
			C/C++		Limited	C/C++	x.x	x.x	C/C++	C/C++	C/C++				
			Java Script		Preferred	Java Script	x.x	x.x	Java Script	Java Script	Java Script 1.5 or higher				TSG Input
			Bean Shell		Limited	x.x	x.x	x.x	Bean Shell	Java Script is recommended	See Java Script 1.5 or higher				MMAC/TSG Input
			PERL		Limited	PERL	x.x	5.x	ActivePerl 5.10	ActivePerl 5.10 or higher	ActivePerl 5.10 or higher				TSG [user-- Glendale, MD group under Dan Pelman] Input -- Used for automated deployment of digital products/Used to support AVN sectional and TAC process.
		Platform Dependent	Visual Basic		Preferred	Visual Basic	Microsoft	6	Visual Basic 6.0	Evaluation of Visual Basic 8.0 or higher is recommended by Sep 08	VB 8.0 or higher				
			Visual Basic.Net		Preferred	VB.net	Microsoft	6	Visual Basic.net	VB 8.0 Evaluation	VB 8.0 or higher				
			C#		Preferred	C#	Microsoft	2	C# Version 2.0	C# Version 2.0	C# Version 3.0				TSG Input
		Other programming languages	FORTRAN		Legacy	x.x	x.x	x.x	VAX VMS FORTRAN V 77	Need input for the feasibility of transition to a standard supportable environment	Need input for the feasibility of transition to a standard supportable environment				TSG Input
			COBOL		Legacy	x.x	x.x	x.x	VAX COBOL V 3.2	Need input for the feasibility of transition to a standard supportable environment	Need input for the feasibility of transition to a standard supportable environment				TSG Input
			DELPHI		Legacy	x.x	x.x	x.x	DELPHI v 3.0	Need input for the feasibility of transition to a standard supportable environment	Need input for the feasibility of transition to a standard supportable environment				TSG Input
		Data Exchange	Xquery		Preferred	x.x	x.x	x.x	Version 1.0	Version 1.0 or higher	Version 1.0 or higher				
			Xpath		Preferred	x.x	x.x	x.x	Version 2.0	Version 2.0 or higher	Version 2.0 or higher				
			SOAP		Preferred	x.x	x.x	x.x	Version 1.2	Version 1.2 or higher	Version 1.2 or higher				

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SERVICE AREA	**SERVICE CATEGORY**	**SERVICE STANDARD**	**FUNCTIONAL SPECIFICATION**	**Relevant International/Government Standard**	**Usage classifaction**	**Name**	**Vendor**	**Version**	**FAA ATO Current state or "AS IS"**	**FAA ATO To-be architecture [Tactical 1 yr projected]**	**FAA ATO To-be architecture [Strategic - 3 yr projected]**	**License Type: Bulk/CAP (BC) BPA (B) IDIQ (I) ELA (E)**	**Contract / Org Scope: ATO FAA DOT**	**Contract POC:**	**Additional comments**
			AJAX		Limited	x.x	x.x	x.x	AJAX	AJAX 2.0 or higher	AJAX 2.0 or higher				TSG Input--Used for data exchange in New ADS (Warehouse Operations).
	Data Management	Database Connectivity	JDBC		Preferred	x.x	x.x	x.x	Spring JDBC 2.0 Templates	Spring JDBC 2.0 Templates or hi	Spring JDBC 2.5 Templates or higher				MMAC/TSG Input
			ODBC		Preferred	x.x	x.x	x.x	ODBC						TSG Input
			Hibernate		Preferred	x.x	x.x	x.x	Hibernate	Hibernate 3.2.6 or higher					MMAC/TSG Input
			ADO			x.x	x.x	x.x	ADO	ADO	ADO				
			ADO.Net			x.x	x.x	x.x	ADO.Net	ADO.Net	ADO.Net				
			OLE/DB		Limited	x.x	x.x	x.x	OLE/DB	OLE/DB					TSG Input
			DAO		Limited	x.x	x.x	x.x	DAO	DAO					TSG Input
			DB2 Connector			x.x	x.x	x.x							
		Reporting and Analysis	XBRL			x.x	x.x	x.x							
			JOLAP			x.x	x.x	x.x							
			OLAP			x.x	x.x	x.x							
			Business Objects		Preferred	Business Objects	x.x	x.x	Business Objects	Business objects XI 2 or higher	Business objects XI 3 or higher				MMAC/TSG Input
			Oracle Discoverer		Preferred	Oracle discoverer	Oracle	10g	Oracle discoverer	Oracle discoverer 10g	Oracle discoverer 11g				
			Actuate		Limited	Actuate	Actuate	10	Actuate	Actuate 9.0	Actuate 10.0				TSG [Glendale MD group under Dan Pelman] Inputs -- Used for production ADS reports.
			Oracle Report		Legacy	Oracle Reports	Oracle		Oracle report	Transition to Business Objects/Crystal report is recommended	Under evaluation				Legacy application in Finance is using it.
			ColdFusion Reports		Limited	Coldfusion report	Adobe	x.x	ColdFusion Reports	ColdFusion Reports	ColdFusion Reports				TSG [Theresa Payne's group] input
			SQL Server reporting services		Limited	SQL Server Reporting services	Microsoft	9.x	SQL server reproting services	SQL server reproting services	SQL server reproting services				TSG [Theresa Payne's group] input
			ReportSmith		Rejected				ReportSmith						TSG [Theresa Payne's group] input
			Crystal Reports		Preferred	Crystal Reports	SAP	10	Crystal Reports	Crystal reports 10 or higher	Crystal reports 12 (2008)				MMAC/TSG Input
Service Interface and Integration	Integration	Middleware	RPC		TBD	x.x	x.x	x.x							From IT perspective, we are only concerned about minimizing the addition of new applets, add-on drivers, and numerous iterations of softwre updates/patches, and various application players to be able to run in-house applications.
			MOM		TBD	x.x	x.x	x.x							
			DB Access: PL/SQL		Preferred	x.x	x.x	x.x	PL/SQL	PL/SQL	PL/SQL				TSG Input
			DB Access: ISQL/w		TBD	x.x	x.x	x.x							TSG Input
			Business Rule Engine		Evaluation	Ilog	Ilog	x.x	Need more research on ILOG/JBOSS	Need more research on ILOG/JB	Need more research on ILOG/JBOSS				
			DB Access: OPEN ANSI SQL/92		TBD	x.x	x.x	x.x							
		Enterprise Application Integration	Business Intelligence		Preferred	Business Objects	SAP	XI 2	Buisness Objects	Business objects XI 2 or higher	Business objects XI 3 or higher				
			Business Process management		Preferred	Method composer	IBM	7.2							
			Application Connectivity		TBD	x.x	x.x	x.x							
			ETL		TBD	x.x	x.x	x.x							
			Transformation & Formatting		TBD	x.x	x.x	x.x							
	Interoperability	Data Format/ Classification	XML		Preferred	x.x	x.x	x.x	XML	XML 1.1 or higher	XML 1.1 or higher				
			Binary XML		Preferred	x.x	x.x	x.x	Binary XML	Binary XML					
			GML		Preferred	x.x	x.x	x.x	GML	GML	GML Version 3.0 or higher				
			EDI		Limited	x.x	x.x	x.x	EDI	EDI	EDI				

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		Data Types/ Validation	DTD		Limited	x.x	x.x	x.x	not recommended	not recommended	not recommended				
			XSL		Preferred	x.x	x.x	x.x	XSL Version 1.0	XSL Version 1.0	Evaluate XSL Version 2.0				
			XML Schema		Limited	x.x	x.x	x.x	See XML	See XML version	See XML version				
		Data Transformation	XSLT		Preferred	x.x	x.x	x.x	Version 2.0	Version 2.0 or higher	Version 2.0 or higher				
	Interface	Service Discovery	UDDI		Preferred	x.x	x.x	x.x	Version 3.0 compliant registry	Version 3.0 compliant registry	Version 3.0 compliant registry				Oracle Services Registry (Systinet OEM)
		Service Description/ Interface	WSDL		Limited	x.x	x.x	x.x	WSDL version 2.0	WSDL version 2.0	WSDL version 2.0 or higher				
			API		Limited	x.x	x.x	x.x	API	API	API				